

2-2**Study Guide and Intervention**

10-4-11

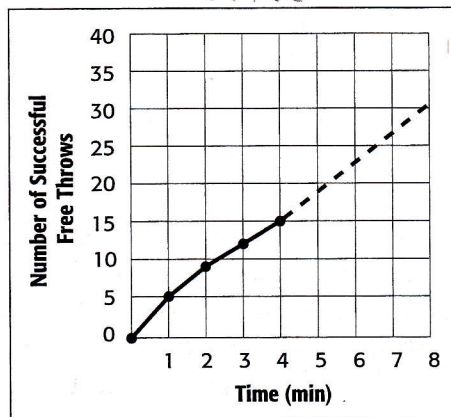
Making Predictions

A **scatter plot** displays two sets of data on the same graph and shows trends in data. A **line graph** is a graph made by connecting the data points from a set of data. A line graph can be useful in predicting future events.

EXAMPLE 1 BASKETBALL The table shows how many successful free throws Brett made. Make a line graph and predict how many successful free throws he will make in 8 minutes. ** Title **

Time (min)	Number of Successful Free Throws
0	0
1	5
2	9
3	12
4	15

Brett will make about 31 free throws in 8 minutes.



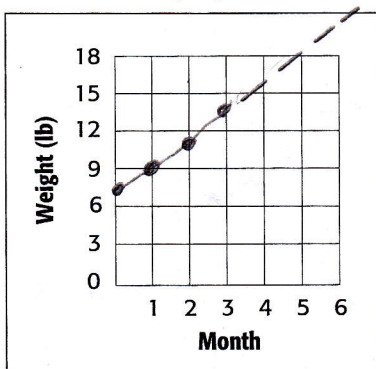
In a line graph, the data points are connected.

EXERCISES

GROWTH RATE For Exercises 1 and 2, use the table that shows a puppy's weight by month.

Month	Weight (lb)
0	7
1	9
2	10
3	13

1. Make a line graph of the data.



use ruler and extend line.

With a scatter plot, try to divide data points in half with ruler.

2. Predict her weight at six months.

21 lbs